EUVE Photometry Observations of Cool Stars

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We present recent results of extreme ultraviolet (EUV) photometric imaging of cool stars obtained with the Extreme Ultraviolet Explorer (EUVE) satellite. These data, covering the 70-700A band, were obtained during calibration pointings and during the 6 month all-sky survey, Approximately 1/2 of the bright sources detected by EUVE during the survey are cool stars of all spectral types.

We discuss pointed observations of alpha Cen and determination of coronal temperatures using filter ratios ant] emission measures. We describe results for a number of RS CVn systems, inducting EUV flaring on 1 I Peg, eclipsing in AR Lac, and rotational modulation on HR 1099. We also present examples of EUV flares from several dMe stars as wc]] as an analysis of quiescent emission from a sample of dM and dMe stars.

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